OPAISKI, W.

Application of linear precision scales for testing runs and scales in optical micrometers of theodolites. p. 15, (PRZEGLAD GEODEZYJNY, Vol. 11, No. 1, January 1955, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5 May 1955, Uncl.

P/028/60/009/001/002/002 A076/A126

AUTHOR:

Opalski, W.

TITLE:

Report on scientific meeting of the PAN Geodetic Committee on Septem-

ber 16, 1959

PERIODICAL: Geodezja i Kartografia, no. 1, 1960, 81

TEXT: A scientific meeting organized by the Komitet Geodezji PAN (PAN Committee of Geodesy) was held on September 16, 1959, at the Palace of Arts and Culture in Warsaw. The meeting was attended by 45 persons, of whom 13 were guests from the USSR and Soviet-bloc countries, who were previously attending an international meeting of geodets and astronomers organized by the Główny Urząd Geodezji national meeting of Geodesy and Cartography). Chairman of the PAN i Kartografii (Main Office of Geodesy and Cartography). Chairman of the PAN Committee of Geodesy, Professor M. Odlanicki-Poczobutt made the opening speech. The following two reports were presented during the meeting: - Engineer J. Suran, The following two reports were presented during the meeting: - Engineer J. Suran, The following two reports were presented during the meeting: - Engineer J. Suran, The following two reports were presented during the meeting: - Engineer J. Suran, The following two reports were presented during the meeting: - Engineer J. Suran, The following two reports were presented during the meeting: - Engineer J. Suran, The Folish Post-War Astronomical Measurements on Laplace's Points and Astronomical Gravimetrical Levelling Points.

Card 1/1

3/035/62/000/011/072/079 A001/A101

AUTHOR:

Opalski, Wieslaw

TITLE:

Theoretical fundamentals of using orbits of artificial satellites

The second secon

for studying the shape of Earth

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1062, 21. abstract 116195 ("Postepy astron.", 1962, v. 10, no. 1, 3 - 14,

Polish: Russian and English summaries)

The author describes briefly the main contents of articles on the TEXT: Earth's potential and determination of gravity field parameters from observations of artificial satellites published in bulletins of the Institute of Theoretical Astronomy, AS USSR, (see RZhAstr. 1957, no. 10, 7972; 1969, no. 3, 8678, 8681, no. 11, 11020) and presents some information on these problems from the reports by D. C. King-Hele at the MTFC (MGGS) congress at Helsinki in 1960 and by I. D. Zhongolovich at a conference on artificial satellites held in Moscow in January 1961.

I. Zhongolovich

[Abstracter's note: Complete translation]

Card 1/1

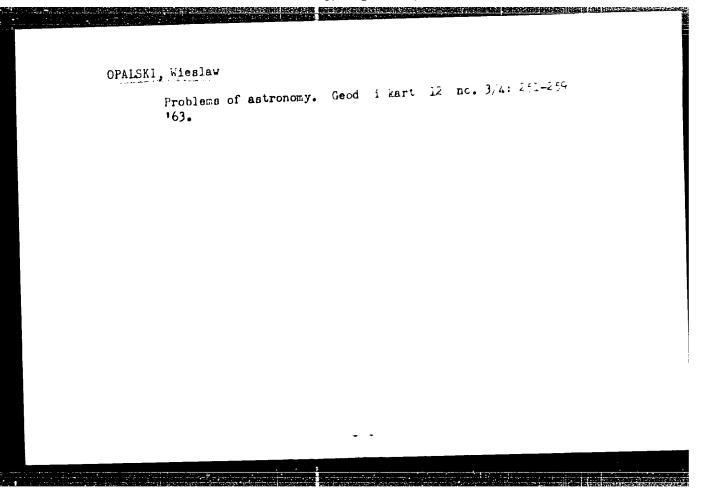
OPALSKI, W.

Results of observations of the meridian star transits of stars made in the Jozefoslaw Observatory of the Warsaw Polytechnical College during 1958 - 1959. Postepy astronom 10 no.1:77

Ja-M 162.

OPALSKI, W.

Report on the activities of the Chair of Geodetic Astronomy of the Polytechnic College in Warsaw during the period 1950-1961. Postepy astronom 10 ne.3:273-279 '62.



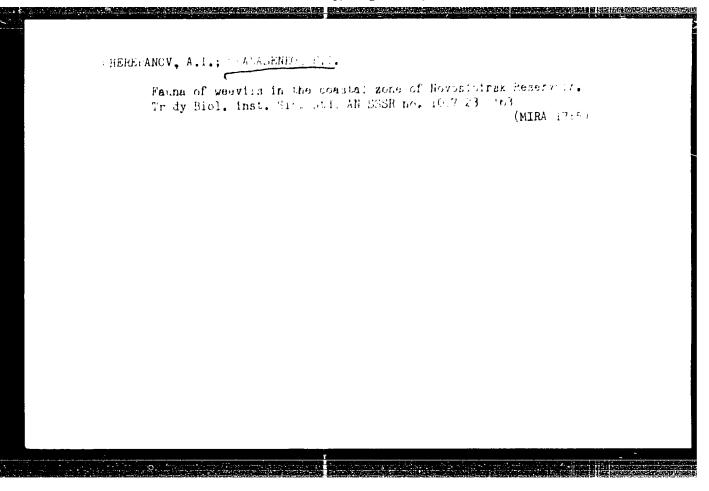
OPALSKI, Wieslaw

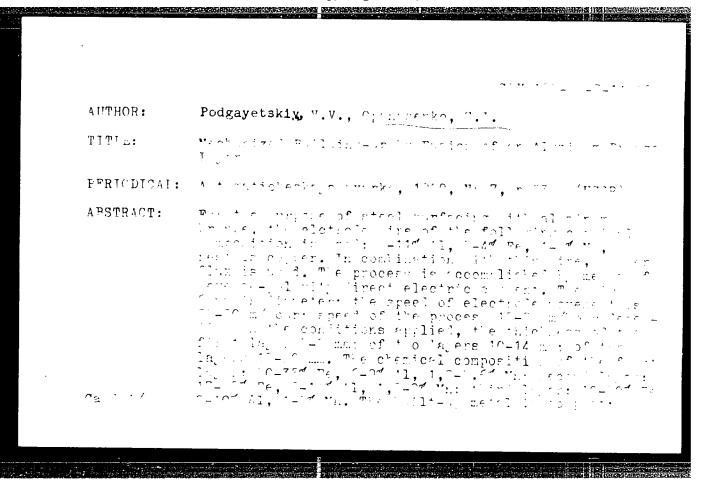
Astronomical and Geodetic Observatory of the Warsaw Technical
University in Jozefoslaw. Przegl geod 35 no.11:487-489 N '63.

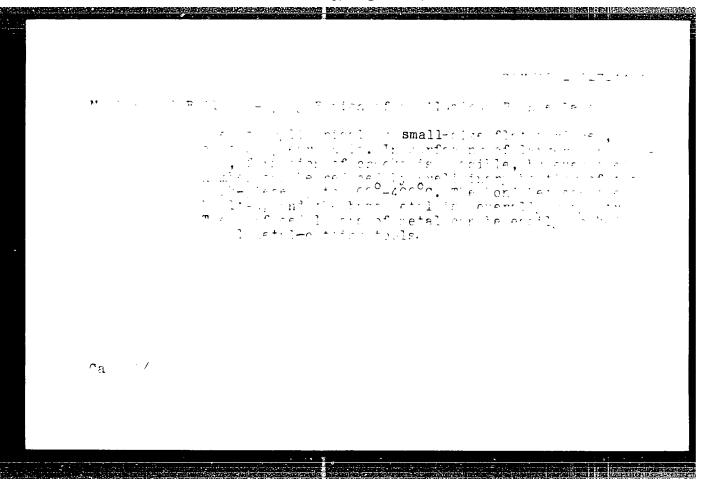
KRASNOV, M.D., polkovnik meditsinskoy sluzhby; YAKOBSON, N.Z., podpolkovnik meditsinskoy sluzhby; VASILENKO, Ye.F., podpolkovnik meditsinskoy sluzhby; GULIMOVA, L.A.; OPANASRNKO, A.S.

Aerial dusting in the control of ticks. Voen.-med.zhur. no.8:42-45
Ag '59.

(MIRA 12:12)







PODGAYETSKIY, V. V., OPANASENKO, S. I.

Comparison of methods of mechanized aluminum bronze deposition. Avtom. svar 13 no.8:58-56 Ag '60. (MIRA 13:8)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR. (Aluminum bronze)

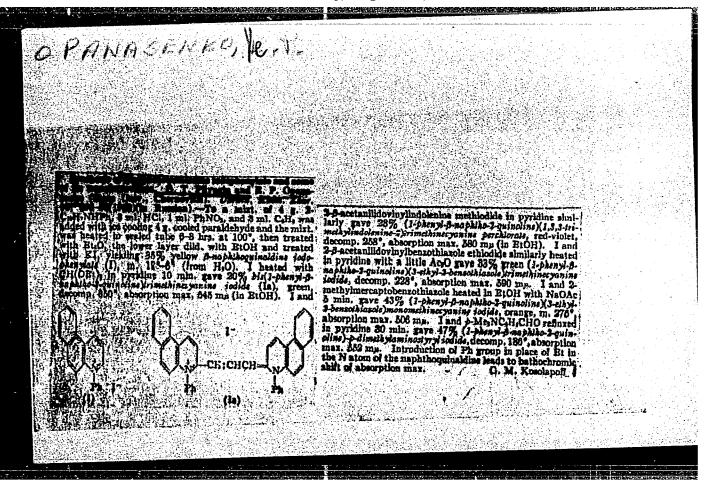
(Hard facing-Equipment and supplies)

VOINOV, Ye.A.; OPANASENKO, V.G.; POKROVSKIY, S.A. (Kiyev, ul.Chkalova, d.79, kv.10)

Clinical X-ray diagnosis of tumors of the soft tissues of the extremities. Klin.khir. no.7:28-33 Jl '62. (MIRA 15:9)

1. Kiyevskiy nauchno-issledovatel'skiy rentgeno-radiologicheskiy i onkologicheskiy institut.

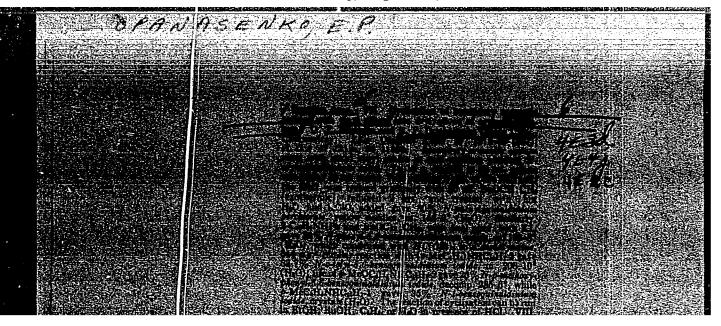
(EXTREMITIES (ANATOMY)-TUMORS) (DIAGNOSIS, RALIOSCOPIC)

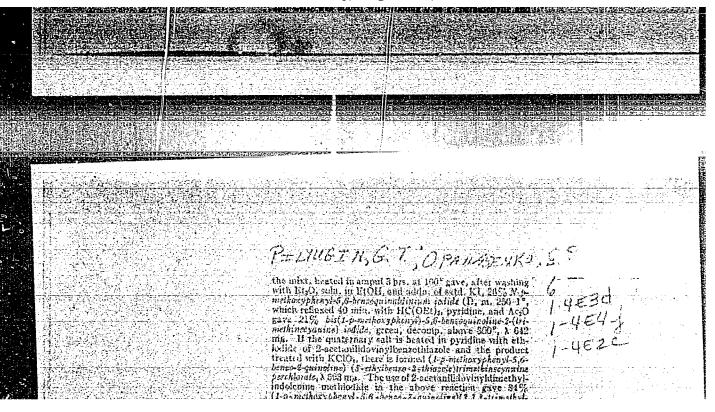


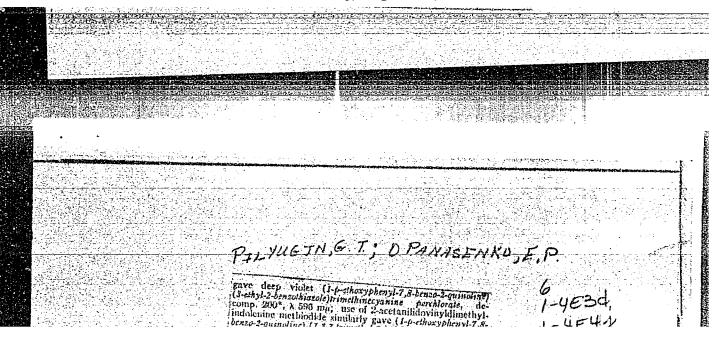
PILYUSIN, G.T.: OPANASKR.O. Ya.p.: TSVaTKOVA, N.A.

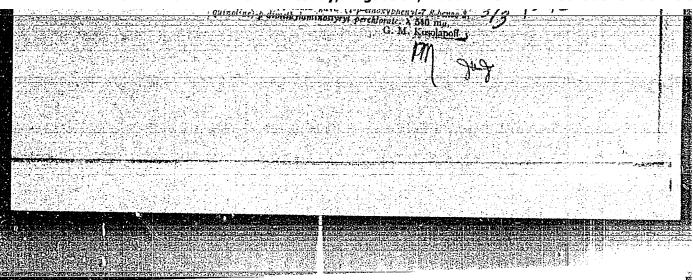
Research in the field of cyonine dyes. Fart "Synthesis of altoxy derivatives of bensoquitalicinium quaternary salts and their conversion, Zhur, ob. khim. 27 no.4:1018-102° ap '57. (MIRA 10:8)

1. Chernovitskiy gosudarstvennyy universitet. (Quinaldinium compounds) (Dyes and dyeing)









AUTHORS:

Pilyugin 6, T., Opanasenko, Ye. r.. 79-28-5 45/69

Shinkorenko, S. V.

TITLE:

Investigations in the rield of Synthetized Dyes (Issledovaniya v oblasti sinteticheskikh krasiteley) X. Synthesis of N-Aryl-2- \(\beta\)-Anilinevinylquinolinium

Derivatives and their Conversions (X. sintez

N-aril-2- A-anilinovinilkhinoliniyevykh proizvodnykh i

ikh prevrashcheniya)

PERIODICAL:

Churnal Obshchey Khimii, 1958 Vol 28 Nr 5.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001238

ABSTRACT:

For the synthesis of trimethinecyanine dyes of asymmetrical structure mainly products are used which were obtained from diphenylformamidine and quaternary salts of the heterocyclic compounds (references 1, 2) in the condensation of these products with other quaternary salts trimethinecyanines of asymmetrical structure form (references 3 - 7). In order to make possible further organic syntheses of this kind and to investigate in more

Card 1/3

investigations in the Field of Synthetized byes

X. synthesis of N-Aryl-2- A-Anilinovinylquinolinium

Derivatives and Their Conversions

79-28 5-45.69

the properties of the molecules of asymmetrical structure, the authors carried out the syntheses of similar intermediate products of quinoline derivatives having aryl radicals at the nitrogen heteroatom in the present condensation report results are given of the of diphenylformamidine with a phenylquinaldiniumperchlorate and N phenyipenzoquinaldiniumiodide (see schemes 1 and 2). ine separated products the N-pheny, 2-3 aretanilineviny. quinoliniumperchlorate (formula ) and the N-phenyl 2 \$\beta\$ -anilinevinyl 5 6 benzoquinoliniumLidide (iliywer) condensed with the quaternary salts of quinaldine and beneathe formation of trimethinecyanines of asymmetrical structure (see scheme 3). Thus new products were synthetized N phonyl-2-13-anilinequinolinium perchlorate and N-phenyl 2-\(\beta\) anilinevinyl 5-6--benzoquinolinium rodide. By condensation of these products with quaternary salts of heterocyclic compounds five new carbodyanines of asymmetrical structure were synthetized (Nophenylo5 to benzoquinoline 2) (Nophenyl

Card 2/3

Investigations in the Field of Synthetized Dyes. 79-28-5-45/69 X. Synthesis of N-Aryl-2-\(\beta\)-anilinovinylquinolinium Derivatives and Their Conversions

-quinoline-2)-trimethinecyanineperchlorate;
N-(p-toly1-5,6-benzoquinoline-2)-N-phenylquinoline-2)-trimethinecyanineperchlorate; N-(p-toly1-5,6-benzoquinoline-2)-(N-phenylquinoline-2)-trimethinecyanineperchlorate; (N-phenyl-5,6-benzoquinoline-2)-(N-omnaphthylquinoline-2)-trimethinecyanineiodide; /(N-phenyl-5,6-benzoquinoline-2)-(3-ethylbenzthiazol-2)-trimethinecyanineiodide.
There are 1 table and 7 references, 5 of which are
Soviet.

ASSUCIATION:

Chernovitskiy gosudarstvennyy universitet

(Chernovtsy State University)

SUBMITTED:

April 18, 1957

Card 3/3

5(3) AUTHORS: SOV, 79-29-9-57/76 Pilyugin, G. T., Opanasenko, Ye, P.

TITLE:

Investigations in the Field of Artificial Lyertuffs. XIII. Koros methine Quinothiacyanines of Unsymmetrical Structure

**2006年10月1日 10月1日 10日 10月1日 10月1日 10月1日 10月1日 10月1日 10月1日 10月1日 10月1日 10月1日 1** 

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 9, pr 3065-3076

(USSR)

ABSTRACT:

In continuation of the papers of references 1-4 concerning the spectroscopic investigations of the cyanine dyestuffs the authors synthesized monomethine cyanine of unsymmetrical structure with aromatic and alkyl radicals at the hetero-residues of the molecules as well as dyestuffs containing only radicals. Similar compounds have hitherto been unknown (Refs 5-8). In the present paper cyanines were synthesized by the reaction of quaternary salts of heterocyclic bases with thiazolone imines, mercapto derivatives or quinolones in statu nascendi. In the first case the imine was melted with the salts in vacuum (Ref 9). Several monomethine cyanines were obtained, in which the rending of the methine group took place in the 2,2- and 2,4-positions (Schemes 1,2,3). In the reaction with thiazolone imine the quaternary salts of N-aryl benzoquinaldinium form only quinothiacyanines when melted according to the scheme,

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sov/79-29-9-57/76

Investigations in the Field of Artificial Dyestuffs. XIII. Monomethice Quinothiacyanines of Unsymmetrical Structure

whereas in the melting of the salts of N-aryl quinaldinium derivatives the reaction takes place to a slight degree in another direction under the formation of dyestuffs of different structure (isocyanines). Their formation was determined spectroscopically on the basis of the absorption curves of a mixture of the dyes and the pure compounds (Figs 1-4). These dyestuffs were separated by chromatographing on aluminum oxide and identified with the isocyanines which were synthesized from the corresponding quaternary salts and quinolines in alcoholinalkaline medium (Ref 10). 21 monomethine cyanines of unsymmetrical structure were synthesized (Table). The absorption maxima of the monomethine cyanines with aryl radicals at the hetero nitrogen atoms exhibit a shift to the range of longer waves, as compared to the compounds with alkyl radicals. The isomeric compounds with a phenylene group in different positions differ by their color, as may be seen from their absorption maxima. This applies both to the isocyanines and to the quincthiapseudocyanines. There are 4 figures, 1 table, and 12 references, 4 of which are Soviet.

Card 2/3

SOV/79-29-9-57/76

Investigations in the Field of Artificial Dyestuffs. XIII. Monomethine

Quinothiacyanines of Unsymmetrical Structure

Consideration Educations and the second seco

ASSOCIATION: Chernovitskiy gosudarstvennyy universitet (Chernovitsy State

University)

SUBM\_TED: July 25, 1958

Card 3/3

s/079/60/030/04/56/080 BO01/B011

AUTHORS:

Pilyugin, G. T., Opanasenko, Ye. P.

TITLE:

Investigations in the Field of Synthetic Dyes XVI Synthesis of Oxy- and Alkoxy-substituted Quaternary N. Arylquinal i-ulim

Salts and Their Conversions

PERIODICAL:

Thurnal obshchey khimii, 1960, Vol. 30, No. 4 pr. 1303-1307

TEXT: In continuation of their investigations (Refs. 1.?) on the reaction secondary aromatic amines of a symmetrical and asymmetrical structure as: aldehydes, vinyl ethers, and acetone (with resulting quinolinian and acetone) dinium, and lepidinium salts, which, in turn, were converted into cyalidyes), the outhors performed the reaction of p.p. dioxydipheny. ...... methoxy phenyl-co-naphthyl amine, o methoxy phenyl o naphthyl amine with paraldehyde and vinyl-n.-butyl ether in acid medium (Scheme (I) . be seen from this scheme that salts of an isomeric structure may arise & 'I the condensation of anymmetrical amines The following salts were separate and examined as a result of this investigation: (I), (II), (IV) No state products were found in this connection. Their structure was confirmed in the

Card 1/2

Investigations in the Field of Synthetic Dyes. S/079/60/030.04 36,000 XVI. Synthesis of Oxy- and Alkoxy-substituted B001/B011 Quaternary N-Arylquinaldinium Salts and Their Conversions

analytical way and by the absorption spectra of the symmetrical carbony spectra obtained from them. Thus, the following hitherth undescribed quaternary sector were synthesized: 1-p-exyphenyl-6-exyquinaldinium icdide and bromite naphthyl-6-methoxyquinaldinium icdide and 1-c-methoxy phanyl-5-6-banz quinaldinium perchlorate. Carbocyanines with a symmetrical structure with synthesized from these salts, and their absorption curves were determined the visible spectrum region. Dyes (VI), (VII), (VIII), (IX), (X) were the trained by condensation of quaternary salts with orthoformic and destructure diagram shows the absorption curves of these dyes. The absorption the dyes confirm the well-known principle that the anion becomes influence on the color, and that the shifts of the maxima are with limits of the spectrometric determinations. There are 1 figure with the colors of the spectrometric determinations.

An official Charmonitakiy popularstvennyy universitet (Chermoni, 2000 University)

SUBMITTED:

Pebruary 21, 1959

Card 2/2

PILYUGIN, G.T.; OPANASENKO, Ye. P.

Synthetic dyes. Part 18: Synthesis of isomeric N-arylquinaldinum salts and their conversions. Zhur. ob. khim. 31 no.4:1233-1240 Ap '61. (MIRA 14:4)

1. Chernovitskiy gosudarstvenny: universitet. (Quinaldinium compounds)

PILYUGIN, G.T.; OPANASENKO, Ye.P.; ISAK, A.M.

Synthetic dyes. Part 25: Synthesis of isomeric N-arylquinaldinium salts and their transformation to cyanine dyes. Zhur.ob.khim. 32 no.5:1398-1403 My '62. (MIRA 15:5)

1. Chernovitskiy gosudarstvennyy universitet. (Quinaldinium compounds) (Cyanine dyes)

PILYUGIN, G.T.; OPANASENKO, Ye.P.; PETRENEO, U.Ye.

Synthetic dyes. Part 33: Synthesis of 1-o-methoxyphenyl-7, 8-benzoquinaldinium perchlorate and its transformations. Zhur.ob.khim. 33 no.10:3228-3231 0 163. (MIRA 16:11)

1. Chernovitskiy gosudarstvennyy universitet.

PILYUGIN, G.T.; PETRENKO, C.Ye.; GPANASENKO, Ye.F.

Study of synthetic dyes. Part 40: 1-16-Hydroxyphenylogidna. Thrium perchlorate and its transformations. Zhur. ob. khim. 32 no.10: 3333-3336 0 104.

Study of synthetic dyes. Fart 41: 1-o-Hydroxyphenylbenzoquinaldinium perchlorates and their transfromation to carbocyanine dyes. Ibid.: (MIEA TYPE)

1. Chernovitskiy gosudarstvennyy universitet.

PETRENKO, C.Te.; PILYUGIN, C.T., OPANASENKO, Ye.P.

Synthetic dyes. Part A9: Styryl dyes from derivatives of Nearly quinaldinium nelie. Zhur. org. khim. 1 no. 4.484 (MibA 18.1)

1. Chernovitakiy gosudaratvennyy universitet.

CPANALYLK, AA

PHASE I BOOK EXPLOITATION

SOV/4652

- Kuznetsov, Nikolay Semenovich, and Anatoliy Aleksandrovich Opanasyuk
- Peredovyye metody razmetki po shablonam i kalibram (Advanced Layout Methods With Templets and Cauges) Moscow, Mashgiz, 1960. 68 p. (Series: Biblioteka razmetchika, vyp. 5) 10,000 copies printed.
- Editorial Board of Series: N. S. Kuznetsov, Engineer, B. Ya. Miroshnichenko, Candidate of Technical Sciences, S. V. Lisitsyn (Ed. of this booklet) Engineer, and T. M. Somova, Engineer; Ed.: T. M. Somova; Tech. Ed.: N. A. Dugina.
- PURPOSE: This booklet is intended for layout men in machining shops.
- COVERAGE: This is the fifth in a series of thirteen booklets comprising the "Library of a Layout Man". Included is information on the achievements of leading layout men in their use of plane and 3-dimensional templets, gages, and master parts. By means of concrete examples the authors

Card 1/3.

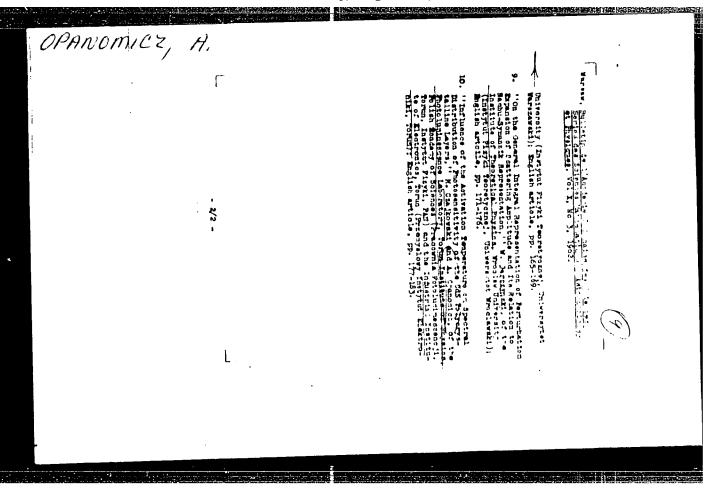
sov/4652 Advanced Layout (Cont.) attempt to show that the use of gages, and templets results in simplification of work procedure and increase in labor productivity. No personalities are mentioned. There are 19 references, all Soviet. TABLE OF CONTENTS: Ch. I. Use of Templets for Layout Work (By N. S. 3 5 5 11 Kuznetsov) 1. Plane templets Laying out plane articles with templets Plane templets in 3-dimensional layouts Special cases for the use of templets 23 28 The 3-dimensional templets Layout of parts with 3-dimensional templets Centered templets for 3-dimensional layouts Layout of cylindrical surfaces with templets 8ءَ 3. Special cases for the use of templets in 43 3-dimensional layouts 4. Using drawings as templets card 2/3.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012381

WAKORYER, E.P., C.O. SEPKO, A.D.

Observations on the secons, and Descur activity to lives mosquitoes in the substitute area of Novoriblinak. Mena, carazi, i paraz. hol. 33 nc.1.34-20 Jan 1964

(MIRA 19 )



PO/0045/66/030/006/0933/0941

AP7003277 ACC NRI

Opanowicz, A. AUTHOR:

ORG: Department of Technical Physics, Technical University, Lodz

TITLE: Negative photoconductivity and optical quenching in CdSe crystals

SOURCE: Acta physica polonica, v. 30, no. 6, 1966, 933-941

TOPIC TAGS: photoconductivity, optic quenching, cadmium selenide, single crystal structure, photosensitivity, single crystal growing, temperature dependence

ABSTRACT: The specific distribution of photosensitivity and optical quenching of photocurrents at -175 to 100C was studied on single CdSe crystals grown by sublimation in a hydrogen atmosphere in 700—900C, 1200—1230C, and 1150—1180C temperature zones. Negative photoconductivity was observed in the 7150-7500 Å region, particularly at room temperature, on crystals denoted as CsSe II, i.e., crystals grown 8-10 hr in the 1200-1230C or 1150-1180C zones. Negative photoconductivity showed a distinct maximum at room temperature at 7300 Å and was strongly dependent on temperature. Optical quenching of photocurrents, induced by excitation in the intrinsic absorption region, was determined for three bands whose long-wave limits amount to 7800, 12,000, and 20,000 Å, respectively. The effects of negative photoconductivity, optical quenching in the 7150-12 000 Å region, and the mode of spectral distribution of photosensitivity were related to surface defects of the crystal lattice. The author

Card 1/2

UDC: none

# ACC NR: AP7003277

sincerely thanks Dr. A. Wrzesińska for her very helpful comments on this paper, and Dr. A. Baczyński and Dr. H. Lożykowski for fruitful discussionsduring the performance of this work. The author also thanks the management of the Industrial Institute of Electronics for making it possible to perform a part of these experiments. Orig. art. [26] has: 9 figures.

SUB CODE: 20/ SUBM DATE: 28Feb66/ ORIG REF: 002/ OTH REF: 006/ SOV REF: 005 ATD PRESS: 5114

Card 2/2

```
Case of retroperitoneal echinococcosis simulating acute surgical abdomen. Ehirurgita, Sofia 10 no.11:1041 1957.

1. Iz Ehirurgichnoto, otdelenie na Gradakata bolnitaa - Lovech.
(ABDOMEN, ACUTE, differential diagnosis,
retroperitoneal, from acute abdom. (Sul))
(ECHINOCOCCOSIS, differential diagnosis,
retroperitoneal, from acute abdom. (Bul))
(EETROPERITORIAL SPACE, diseases,
echinococcosis, differ. diag. from acute abdom. (Bul))
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CZAJKOWSKI, M.; CHANCUICZ, A.

Polycrystalline photoconductive layers, ty;e TcSx-CdSel-x.
Przem inst elektron prace 4 ne. la57-c0 lel.

1. Zaklad Fizyki Ciala Stalego, Przemysiowy Instytut Elektroniki, Torum.

L 11151-63 BDS/EMP(4)--ASD---JD

ACCESSION NR: AP3003185

P/0053/63/000/004/0246/0253

AUTHOR: Czalkowski, Mieczyslaw; Opanowicz, Andrzej

TIME: Influence of activation temperature on sensitivity spectral response of polycrystalline MMS layers

SOURCE: Przeglad elektroniki, no. 4, 1963, 246-251

TOPIC TAGS: thermal activation, polycrystalline CdS

ABSTRACT: The effect of thermal activation on the spectral response of CdS-photocell sensitivity has been investigated. The Cn and Cl activators were taken from water solutions of CuSO, and MaCl. Their concentrations before ammealing were 5-10-1 gram and 10-2 gram per gram of CdS, respectively. Tensamealing were used in the activation process. After the addition of the gram portions were used in the activation process. After the addition of the impurities, the CdS was dried at a temperature of 80C for 8-10 hr, then animounties, the CdS was dried at a temperature. Activation processes at nealed in closed porcelain pots in a special furnace. Activation processes at 150, 550, 700, 850, 1000, and 1100C were investigated. The ammealing time for all temperatures was 60 min. The product was then washed in distilled water, dried at 100C for 6 hr, and pressed into tablets, which after sintering at 550C for 30 min were used for making polycrystalline layers. The curves of the sensitivity

Card 1/2

L 11151-63

ACCESSION MR: AP3003185

spectral response were obtained with the use of a monochromator with a tungstenfilement lamp (285hK). The following are the findings of the investigation:
1) the shape of the sensitivity spectrum response curve for polycrystalline
(AS layer depends mainly on the type of activator and the excess of cadmium produced during the activation process; 2) the polycrystalline layer preserves in
general outlines the property of the CAS single crystal and 3) oxidation products
play the role of a cohesive in the case of compressed layers. It is also possible
that the excess of cadmium in the case of layers being pulverised in vacuum, is
the result of oxidation. Orig. art. has: 3 figures and 2 formulas.

ASSOCIATION: Pressystory Instytut Elektroniki (Institute of Industrial Electronics)

SUBMITTED: 00

DATE ACQ: 127u163

ENCL: 00

SUB CODE; SD

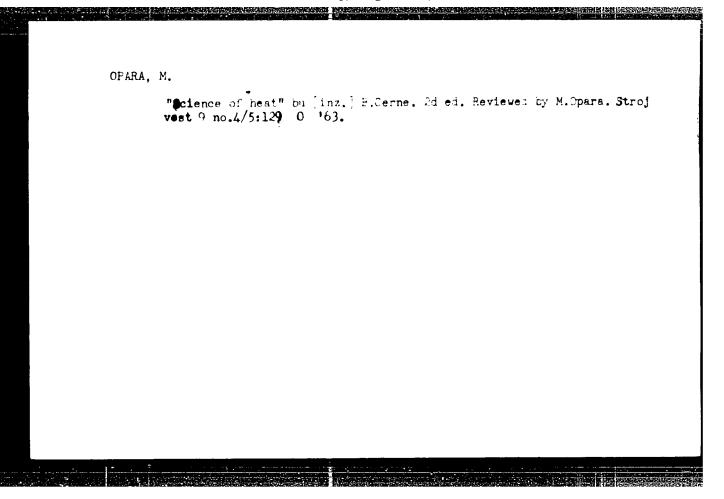
NO REF 807: 003

OTHER: 021

../ Su-

Cord 2/2

(2,30)



0/658/63/600/002/048/070 A160/A101

AUTHORS: Companyation, A. Communication, A.

TIME: The effect of the autivation temperature on the spectral distribu-

tion of the photosensitivity of CdS polycrystalline layers

PERIODICAL: Referativnny zhurnal, Fizika, no. 2, 1963, 78, abstract 28528

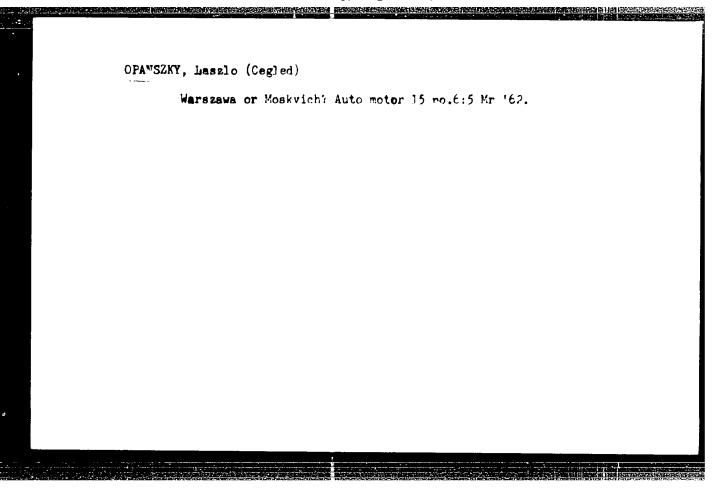
("Bull. Acad. polon. sci. Sér. sci. math. astron. et phys.", no. 3,

1962, v. 10, 177 - 183, English; summary in Russian)

TEXT: Investigations were carried out of the effect of the activation temperature on the shape of the spectral distribution curve of the sensitivity of photoconductive CdS polycrystalline layers. It is shown that the shape of these curves mainly depends on the type of activators included in the CdD sicrocrystals, and also on the excess Cd developing during the sintering process. The obtained results indicate that the oxidation products act as a contact coupling material. Due to this fact, the polycrystalline layer generally retains the properties of a single crystal.

[Abstracter's note: Complete translation]

Card 1/1

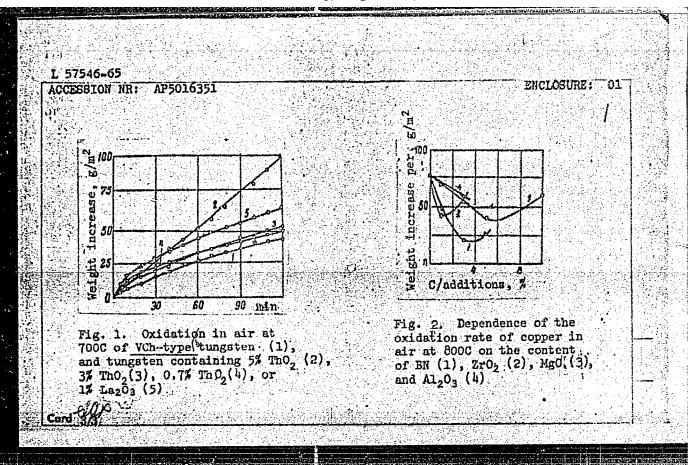


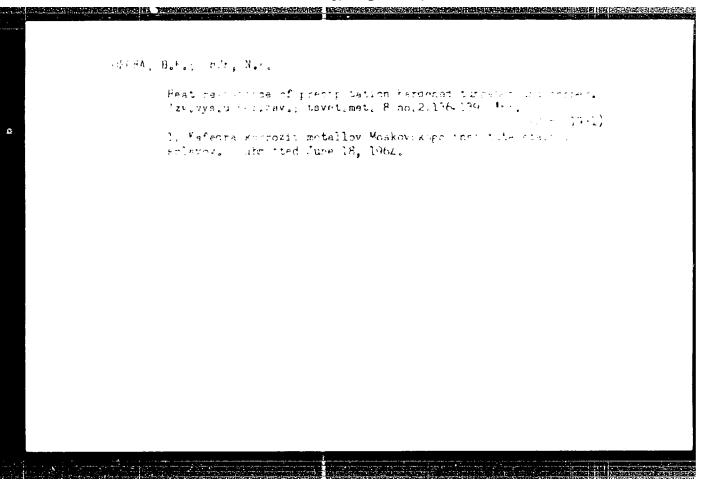
L 25644-65 EWT(m)/EWP(b)/EWA(d)/EWP(t) MJW/JD/WB ACCESSION NR: AP5003503 8/0148/65/000/001/0115/0119 AUTHOR: Opara, B. K.; Pashkova, O. A.; Zhuk, N. P. Effect of yttrium on the oxidation resistance of chromium steels in air 2 SOURCE: IVUZ. Chernaya metallurgiya, no. 1, 1965, 115-119 TOPIC TAGS: chromium steel, yttrium containing steel, steel oxidation resistance, steel oxidation, yttrium effect, Armco iron ABSTRACT: The effect of small additions of yttrium on the oxidation resistance of Fe-Cr alloys in air at high temperatures has been investigated. Small, 150-g ingots of Armco iron and Kh5, Kh13, and Kh25 ateels containing 0-0.27% Y were melted in a nonconsumable-electrode arc furnace in an argon} atmosphere, forged, and rolled into 1.5-mm strip. Oxidation tests were done in air at 900-1400C for 5 hr. The oxidation followed an exponential rate. Yttrium intensified the oxidation of Armco iron and Kh5 steel, but strongly delayed the oxidation of Kh13 and Kh25 steels. For example, an addition of 0.11% Y decreased the weight gain in Kh13 steel from 18 to 6 and from 160 to 110 g/m2 hr at 1100 and 1400C, respectively; for Kh25 steel with 0.02% Y, the weight gain dropped from 2.1 to 1.0 and from 6.8 to 1.5 g/m2 hr. Card 1/2

This disparity is probably d				
films. Generally, yttrium pr hesion of the scale to the m				
ASSOCIATION: Moskovskiy ins	titut stali i splavov ( <u>Mo</u>	scow Institute of Steel and		
BUBMITTED: 27Jun64	encl: 00	BUB CODE: MM		
NO REF SOV: 004	OTHER: 005	ATD PRESS: 3185		
경우가 많은 비를 가득하고 된다.	는 사용을 하게 되는 것이 되는 것이다. 그는 사용을 하고 있다. 그리는 그리얼 한 등록 1.1.1 등록 1.1.1			

57546-65 EWG(J)/EWP(e)/EWT(m)/EPF(e)/EW WP(t)/EWP(z)/EWP(b)/EWA(c) Pr-4/Ps-4/Pu- CCESSION WR: AP5016351	un/0149/65/000/002/0136/0139 669.276 74
UTHOR: Opara, B. K.; Zhuk, N. P.	72 3
TTLE: Oxidation resistance of dispersion- OURCE: IVUZ. Tsyctnaya metallurgiya, no.	strengthened tungsten and copper to 2, 1965, 136-139, and insert facing
OPIC TAGS: tungsten, copper, oxidation, tispersion strengthened tungsten, dispersion BSTRACT: The oxidation behavior of tungsten of Leads at 700, 800, and 9000, and of co	ten atrengthened with 0.7-5.0% ThO2, or boren strengthened with 1-10% MgO,
-3% ZrO <sub>2</sub> , 3% Al <sub>2</sub> O <sub>2</sub> , or 1-5% BN at 8000 loth ThO <sub>2</sub> and La <sub>2</sub> O <sub>3</sub> intensify tungsten oxidal the temperatures tested. The oxidation horium oxide is almost linear, and that oxide is parabolic. Small additions of material proportion of the parabolic trader reduces the oxidation rate	nes been investigated. It was found that lation (see Fig. 1 of the Enclosure) at on rate of tungsten strengthened with f tungsten strengthened with lauthenum gnesium; aluminum; for zirconium oxides of copper owing to the increase in den-
ity of the Cu <sub>2</sub> O crystal lattice (see Fig. figures and 2 tables. b)	2 of the Enclosure, Orig. art. nam:

(Moscow Institute of Steel a	titut stali i splayov, Kai nd Alloys Department of Me	edra korrozii metalov / etal Corrosion)	
SUBMITTED: 18Jun64	ENCL: 01	SUB CODE: MM	
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EWP(e)/EWT(m)/EPF(c)/I/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) JD/HW/WB

ACCESSION NR: AP5007627

UR/0365/65/001/001/0099/0103 620193.5

AUTHORS: Opara, B. K.; Zhuk, N. P.

TITLE: Oxidation resistance of dispersion strengthened cobalt

SOURCE: Zashchita metallov, v. 1, no. 1, 1965, 99-103

TOPIC TAGS: dispersion hardening, metal oxidation, cobalt base alloy, oxidation, aluminum containing alloy, cobalt, aluminum oxide, magnesium containing alloy, magnesium oxide, zirconium containing alloy, zirconium compound, corrosion resistance, corrosion resistant metal

ABSTRACT: Electrolytic cobalt, sintered cobalt and sintered cobalt-base alloys containing 1 or 10% magnesium oxide, 1 or 10% zirconium dioxide or 1% aluminum trioxide were subjected to oxidation tests in air at 900, 1000 and 11000 for 2 hr. The oxidation of cobalt and all the alloys at all the temperatures tested was found to follow a parabolic rate, which means that the oxidation is controlled by the diffusion through oxide film. R Of all the strengthening additions, only 2/magnesium oxide was found to improve the oxidation resistance of cobalt. The respective oxidation rate of alloy with 10% magnesium oxide at 900, 1000, and 11000 was 12.1, 35.5, and 55.2 g/m<sup>2</sup>·hr compared to 17.1,

Card 1/3

L 65004-65 ACCESSION NR: AP5C07627

43. 1, and 67.1 g/m<sup>2</sup>hr for unalloyed cobalt or 26.6-30.7, 42.2-62.3, and 67.0-91.7 for cobalt-zirconium dioxide and cobalt-aluminum trioxide alloys. Sintered cobalt oxidized at a lower rate than the electrolytic cobalt did.

Increasing the sintering temperature from 1100 to 1300 promoted grain growth and intensified the oxidation of all the alloys tested, but especially the oxidation of cobalt and cobalt-magnesium oxide alloys. The oxide layer formed on cobalt-magnesium oxide alloys was found to be homogenous and consisted of cobalt monoxide. X-ray diffraction patterns of the oxide layer revealed no lines of magnesium oxide, and no change in the lattice parameters of cobalt monoxide was observed. Only spectral analysis showed the presence of approximately 0.4 - 0.5% magnesium. In alloys with <u>zirconium</u> or aluminum oxides the oxide layer, in addition to cobalt monoxide, contains inclusions of zirconium dioxide or aluminum trioxide. Two distinct zones were observed in the oxide layers of all the alloys tested: the inner fine-grained and the outer coarse-grained. This is explained by a different mechanism of oxidation. The oxidation in the inner zone proceeds by outward diffusion of cobalt, and in the outer zone by inward diffusion of oxygen.

Card 2/3

ACCESSION NR: AP5007627		2
Orig. art. has 2 figures, 3 gra	phs, and 3 tables	
ASSOCIATION: Tsentral'nyy nauc	hno-issledovatel'skiy	institut tekhnologii 1
mashinostroyenrya (Central Rese		
SUBMITTED: 22 Sep 64	ENCL: 00	SUB CODE: MM, AC
NO REF SOV: 007	OTHER: 004	AID Press: +073-F
Pure Metal \bar{b}		
Ture metar 10		
병자들의 열 경험을 통하는 경찰 경험을 가지 않는데 가지 않는데 하는데 하는데 되었다. 그는데 이번 이번 기를 다 되었다.		

2HUK, N.P.; GPARA, B.S.

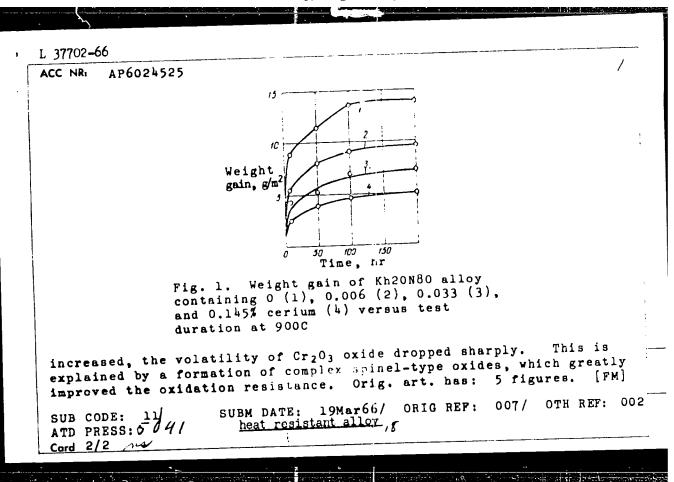
Lsing the temperature-kinetic method to study the electrochemical corrosion of metals, "maksh, met. 2 no.1:95-100 /a-2 166.

(MRA 19:1

1. Moskovskiy institut stali i splavov. Submitted April 29, 1965.

L 37702-66 EWI(m)/T/EWI(t]/ETI   IJF(c)   JD/FW/JO/NB
ACC NR: AP6024525 SOURCE CODE: UR/0148/66/000/007/0077/0079
AUTHOR: Ivanov, Ye. G.; Opara, B. K.; Filippov, A. F.
ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov)
TITLE: The oxidation resistance of Kh20N80 alloy containing lanthanum and cerium
SOURCE: IVUZ. Chernaya metallurgiya, no. 7, 1966, 77-79  metal exidation, company resistance, TOPIC TAGS: nickel alloy, chromium containing alloy, lanthanum
containing alloy, cerium containing alloy, alloy oxidation resistance / Kh20N8O, alloy
ABSTRACT: The purpose of this study was to determine the effect of small additions of lanthanum $(0.001-0.148\%)$ and cerium $(0.001-0.16\%)$ on the oxidation resistance of Kh20N80 alloy in air at $900-1200C$ . Specimens were held at all test temperatures for two hours and at
900C also for 200 hours. The oxidation resistance was found to increase with increasing cerium content (see Fig. 1). Alloying with
lanthanum had the same effect. The increase of oxidation resistance was associated with improved protective properties of the oxide films
formed on the lanthanum and cerium alloys. As the cerium content
Cord 1/2 UDC: 669.14.018.45:669.087.046.51

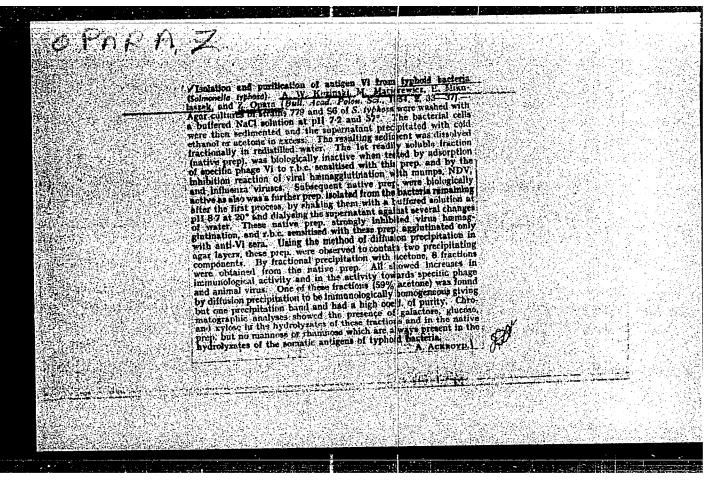
APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012381

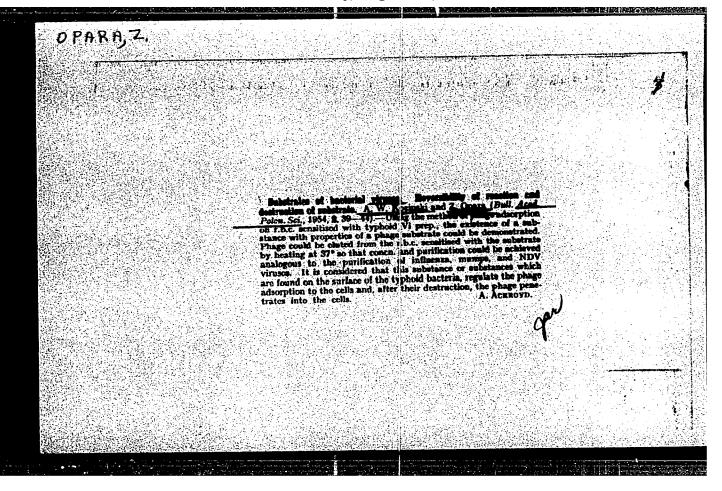


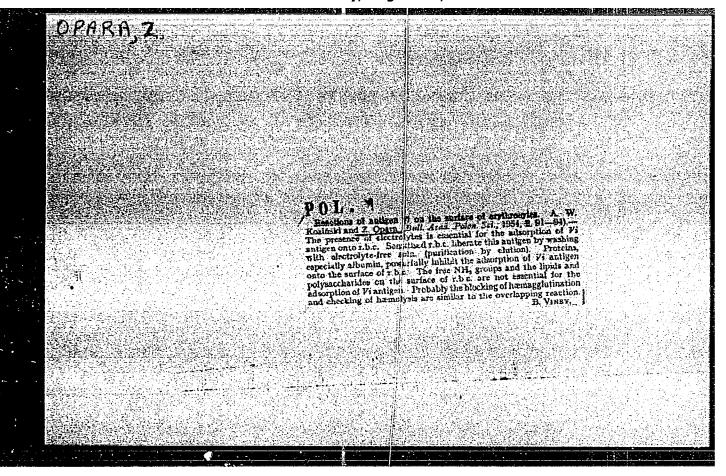
UMANSKIY, A.a., kandidat meditsinskikh nauk; OPARA, V.M., glavnyy vrach.

Hemolyzed blood therapy of bronchial asthma. Sov.med. 17 no.5:27-29 My
'53. (MLRA 6:6)

1. Korovogradskaya oblastnaya bol'nitsa. (Asthma) (Blood as food or medicine)







CPARA ZUEN

Poland Microbiology. Medical and Veterinary.

F-6

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35650

Author : Kozinski, Andrzej; Macierewicz, Maria; Mikulaszek,

Edmund; Opara, Zofia

Title : The Isolation and Purification of the Vi-Antigen

of the Typhoid Bacillus

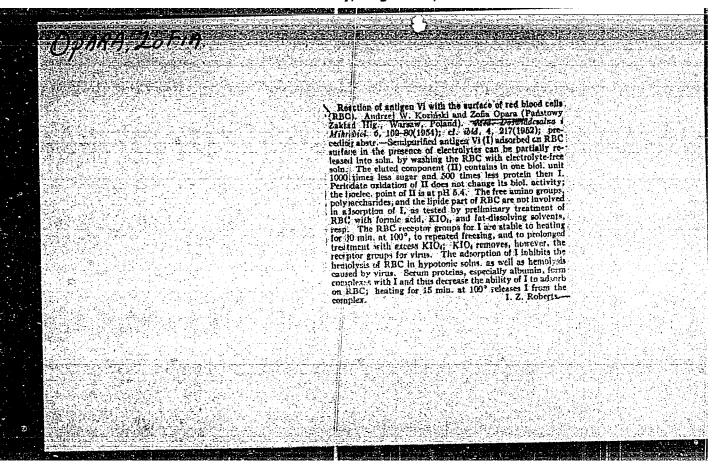
Orig Pub: Med. doswiad. 1 mikrobiol., 1954, 6, No. 2,

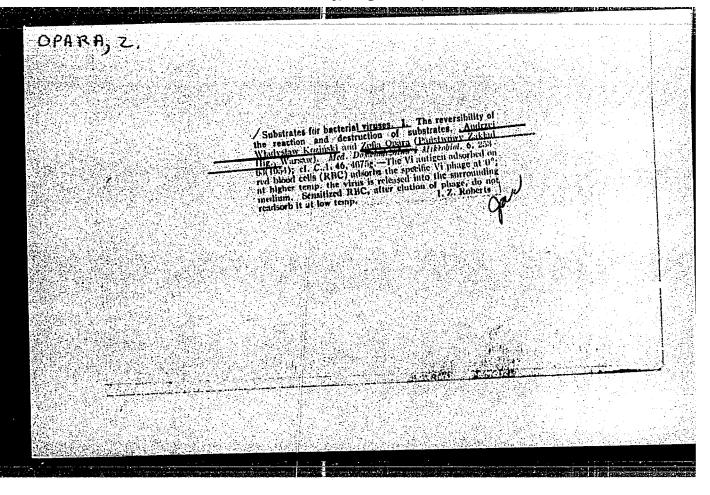
161-168

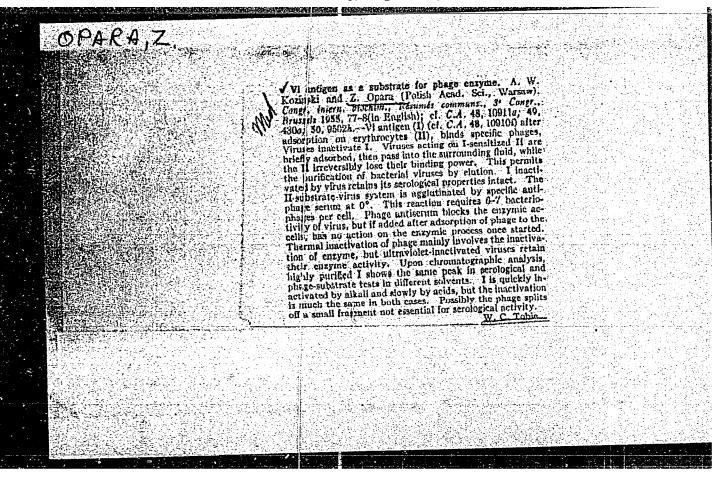
Abstract: The Vi-antigen was obtained by means of extrac-

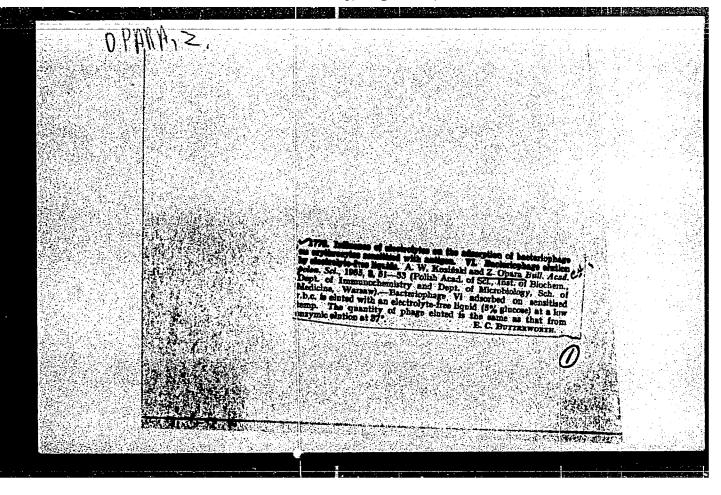
tion by a physiological solution of a suspension of typhoid bacilli and purified by a fractional precipitation with ethyl alcohol or acetone chilled to 0 degrees. The biological activity and degree of purity was determined by the reactions of passive precipitation and hemaglutination, by the retardation of hemaglutination with

Card 1/2









OPARA, Z.

Investigations on substrates for bacterial viruses. 71. Determination of temperature of inactivation of enzymatic activity, viability of phage, and its ability to senstize to passive thage hemagglutination. In English p. 127.

GEODEZJA I KARTOGRAFIA, Vol. 3, no. 4, 1955.

POLATO

SOURCE: EAST EUROPEAN ACCESSIONS LIST LC Vol. 5, no. 7, August 1950.

<b>2.</b> C	Or AR ,
	A. S. M. INGFI, L. C. Par Exteriments with Lot of 1 Normal and Trate and Compared to the State of 1 Normal and State of 1 Normal
	30: Recycyna Doskiałowine i bikriticioji (z erasontal talkia erificiosi i vy. Fourta du rter 197).

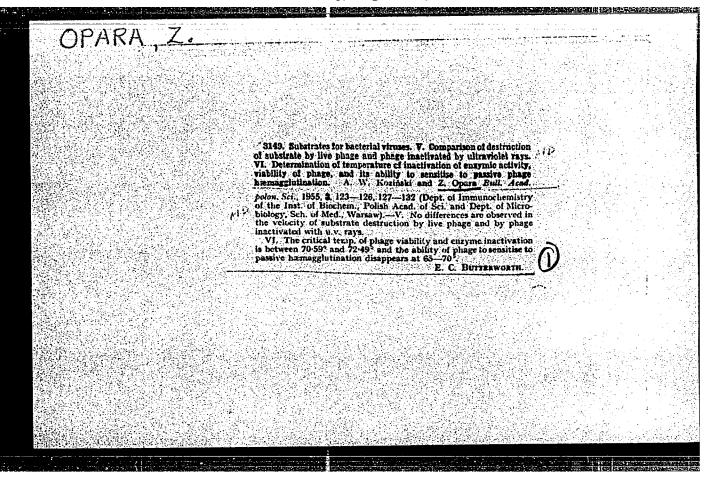
ORUZEWSKI, Aleksander; KOZINSKI, Andrzej; OPARA, Zofia

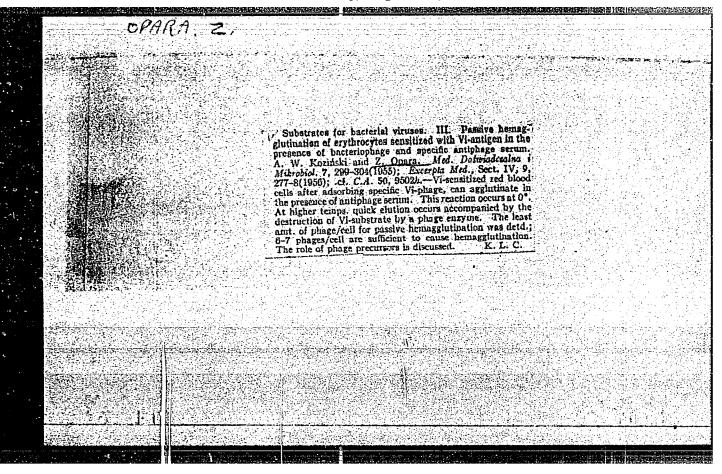
Investigations on substrates for bacterial viruses. II. Quantitative principles of reactions of phage with erythrocytes sensitized with substrates. Med. dosw. mikrob. 7 no.1:97-103 1955.

1. Z Pracowni Immunochemii Zakladu Biochemii PAN, Zakladu Mikrobiologii Lekarskiej A.M. w Warszawie i Instytutu Matematycznego PAN. (BACTERIOPHAGE,

reaction with erythrocytes sensitized with substrates)
(ERYTHROCYTES,

reaction with bacteriophage of erythroctes sensitized with substrates)





KOZINSKI, Andrsej W.; OPARA, Zofia

Investigations on substrates for bacterial viruses. IV. Effect of temperature and of specific anti-phage serum on phage hemagglutination reaction. Ned. dosw. mikrob. 7 no.3:305-309 1955.

1. Z Pracowni Immunochemii Zakladu Biochemii PAN i Pracowni Wirusologicznej Zakladu Mikrob. Lak. A.M. w Warszawie.

(IMMUME SEMBE, anti-phage specific serum, err. on bacteriophage hemogglut.react.)

(BACTERIOPHAGE, eff. of anti-phage specific serum & temperature on bacteriophage hemagglut.reaction.)

(TEMPERATURE, effects, on bacteriophage hemagglut.reaction) (HEMAGGLUTINATION,

bacteriophage hemagglut.reaction, eff. of temperature & specific anti-phage serum.

KOZINSKI, Andrzej W.; OPARA, Zofia

Investigations on substrates for bacterial viruses. V. Comparative investigation on substrates decomposed by living and ultraviolet-irradiated phages. Med.dosw.mikrob.7 no.4:445-449 1955.

1. Z Pracowni Immunochemii Zakl.Biochemii PAN i Pracowni Wirusologicznej Zakl.Mikrobiologii Lek. A.M. w Warszawie. (BACTERIOPHAGE, effect of radiations on,

ultraviolet rays, destruction of substrate by living & irradiated phages)
(ULTRAVIOLET RAYS, effects,

on bacteriophage, destruction of substrate by living & irradiated phages)

KOZINSKI, Andrzej, W.; OPARA, Zofia

Investigations on substrates for caterial viruses. VI. Determination of temperature inactivating ensymmtic activity, of viability, and of sensitizing capacity for passive phage hemagglutination. Med.dosw.mikrob. 7 no.4:451-455 1955.

1. Z Pracowni Immunochemii Zakladu Biochemii PAN i Pracowni Wirusologicznej Zakladu Mikrobiologii Lekarskiej A.M. ⊌ Warszawie.

(BACTERIOPHAGE,

temperature inactivating enzymatic funct., viability & sensitizing capacity for passive phage hemagglut)

(TEMPERATURE, effects,

on phage enzymatic activity, viability & sensitizing capacity for passive phage hemagglut.)

(HEMAGGLUTINATION,

passive phage hemagglut., eff. of temperature)

crana 2.

POLAND/Virology - Bacterial Virus (Phages) D-1

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 26075

Author : Kozinskiy, A.V., Opara, Z. Inst : Academy of Sciences, Poland

Title : Studies of Substrate for Bacterial Virus. VII. The

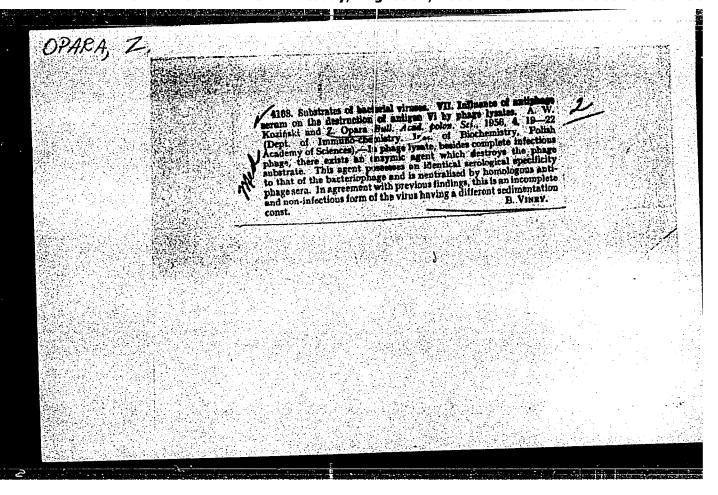
Effect of Antiphage Serum on the Decomposition of Antigen

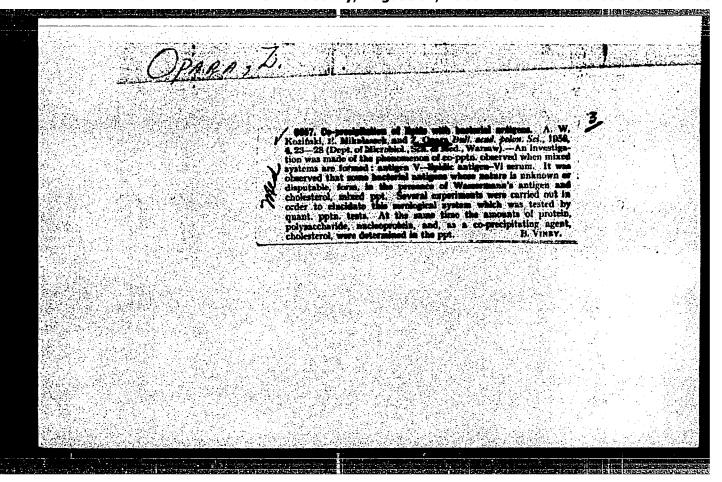
V., Caused by Phare Lysales.

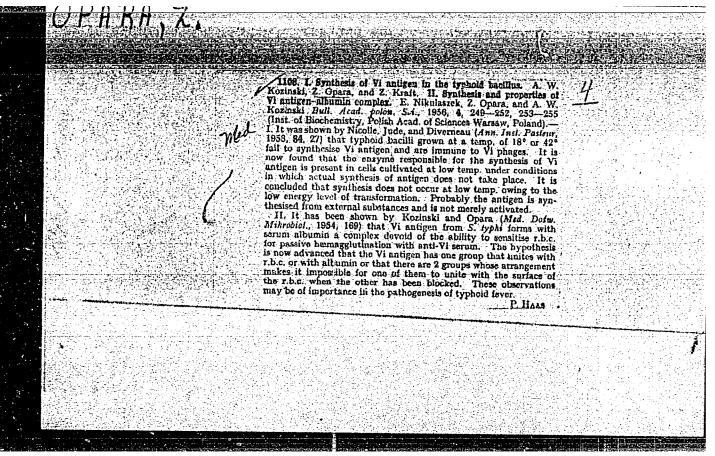
Orig Put : Byul. Pol'skoy AN. 1956, oti. 2, 4, No. 1, 21-24

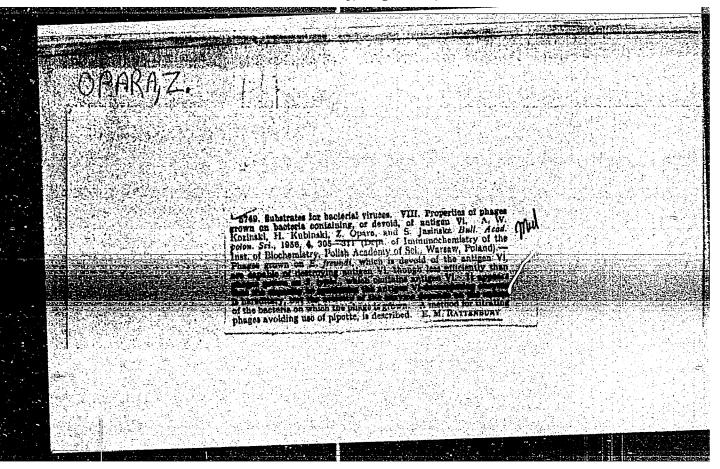
Abst See Referat Zhur Bio.., 1957, 328

Card 1/1









USSM/Virology - Bacterial Viruses.

E-l

: Ref Zhur - Biol., No 3, 1958, 9639

Author

Kozinskiy, A.V. Kubinskiy, G. Opara, Z. Yasinskaya, S.

Inst

Title

: Investigation of Substrates for Bacterial Viruses.

Proterties of Phages which Multiply on Bacteria which DO

or Do Not Contain Vi Antigen.

Orig Pub

: Byul. Pol'skoy AR. Otd. 2, 1956, 4, No 9, 327-334

Abstract

Phage Vi-1 multiplied on cultures of Salmonella typhi, which contain Vi-antigen (phagolysate FTy), and also on a culture of E. freundi, in which this antigen is absent (phagolysate FEf). Phagolysate FEf can cause decomposition of Vi-antigen only to a minor degree, while the phagolysate FTy gave rose to marked decomposition of this antigen. The above-mentioned phages differed from one another by the speed of their elution from erythrocyte surfaces which were sensitized by Vi-antigen. Phage

**Card** 1/2

KOZIESKI, Andreej, W.; OPARA, Zofia

Studies on substrates of bacterial viruses. VII. Effect of anti-phage serum on decomposition of Vi antigen by phage lysates. Med. dosw. mikrob. 8 no.1:73-77 1956.

1. Z Pracowni Immunochemii Zakladu Biochemii P. A. H. i Pracowni Wirusologii Zakladu Mikrobiologii Am M. w Warssawie.

(IMMUNE SERUMS, effects, anti-phage serum on decomposition of Vi antigen by phage lysates. (Pol))

(BACTERIOPHAGE,

eff. of anti-phage serum on decomposition of Vi antigen by phage lysates. (Pol))

(ANTIGERS AND ANTIBODIES,

Vi antigen decomposition by phage lysates, eff. of anti-phage serum. (Pol))

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Coprecipitation of bacterial antigens and lipids. Med. dosw. wikrob. 8 no.1:103-108 1956.

1. Z Pracowni Immunochemii Zakladu Biochemii P. A. H. i s Pracowni Wirusologicsnej Zakladu Mikrobiologii Lekarskiej A. M. w Warssawie.

(ANTIGENS AND ANTIBODIES.

sutual precipitation with lipids. (Pol))

(LIPIDS.

mutual precipitation with antigens. (Pol))
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KOZINSKI, A.W.; KUBINSKI, H.; OPARA, Z.; JASINSKA, Z.

Research on substrates for bacterial viruses; properties of phages grown on bacteria containing or devoid of antigen Vi. Acta virol. Engl. Ed., Praha 1 no.1:12-19 Jan-Mar 57.

1. Immunological Laboratory, Institute of Biochemistry, Polish Academy of Sciences; virological Laboratory, Department of Medical Microbiology, Warssawa.

(BACTERIOPHAGES

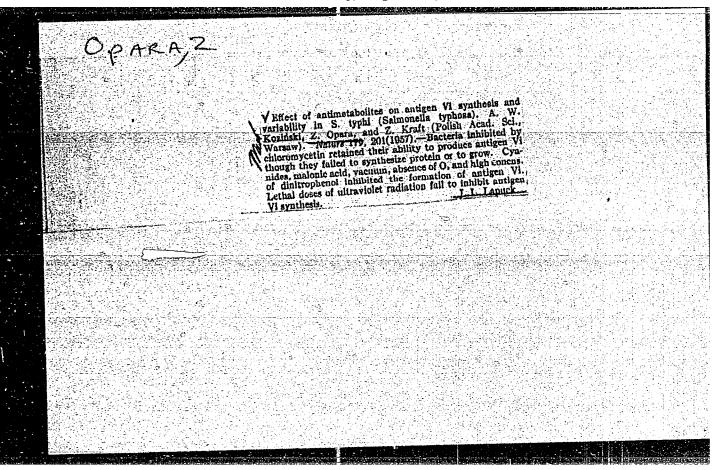
properties of phages grown on bact. containing & devoid of Vi antigen)

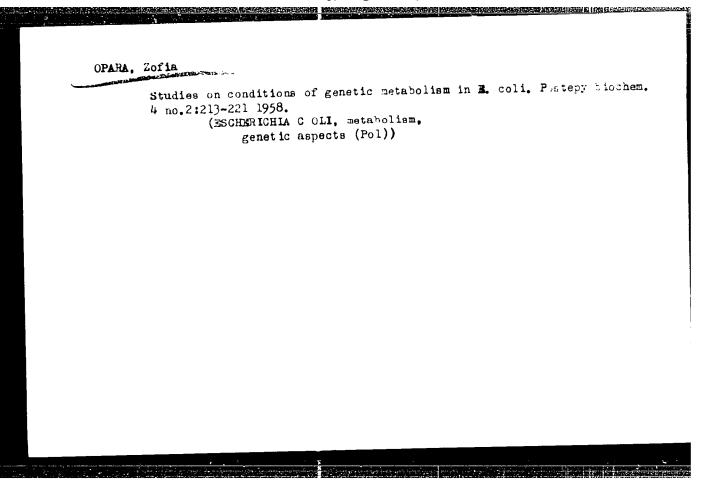
The state of the s

(ANTIGENS

bact. containing & devoid of Vi antigen, eff. on properties of phages)

OPARA, Zofia (Warszawa, ul Chalubinskiego 5) Selected problems in bacterial genetics. Postepy hig. med. dosw. 11 no.3:235-252 1957. 1. Zaklad Mikrobiologii Instytutu Reumatologicznego. (BACTERIA, genet. aspects, review (Pol))





OPARA, Zofia

Studies on the mechanism of transformation of streptomycin-resistance in pneumococci. I. Effect of chloromycetin on the appearance of a new phenotype. Med. dosw. mikrob. 11 no.3:273-281 1959.

1. Z Instytutu Biochemii i Bicfizyki Polskiej Akademii Nauk, Warszawa. (CHLORAMPHENICOL, pharmacol.)
(DIPLOCOCCUS PNEUMONIAE, pharmacol.)

**的现在分词 医克莱克氏 医克克斯氏征 医拉克斯氏征 医克克特氏征** 

## OPARA-KUBINSKA, Zofia

Modification of DNA structure in bacteria. Postepy biochem 7 no.2: 289-298 161.

(DESOXYRIBONUCLEIC ACID chem)
(BACTERIA chem)

OPARENKO, V.F., inch.

Basic trends in the design of double-acting crank presses abroad. Vest. mash. 38 no.9:70-74 5 58. (MIRA 11:10) (Power presses)

OPAR 1

RUMANIA / Chemical Technology, Chemical Products and Their H-17 Application. Pharanceuticals. Vitamins. Antibiotics.

: Ref Zhur - Khimiya, No 5, 1959, No. 16512 Abs Jour

: Opari, A.; Chitoiu, G. Author

: Not given Inst

: Physico-Chemical Reactions Occurring in the Preparation Title

of Cortain Liquid Medications

: Farmacia (Romin), 1957, 5, No 4, 344-350 Orig Pub

: Presented herein are formulations of three liquid Abstract medications, for the purpose of demonstrating the occurrence of undesirable reactions that may take place in the event that chemical and physico-chemical properties of the components are not properly accounted for. Such reactions may be completely eliminated by strictly following the order of steps recommended in the methods of

proparation of such mixtures. -- E. Natkhan

Card 1/1

RUMANIA / Chemical Technology, Chemical Products and Their

H-17

Application. Pharmacouticals. Vitamins. Antibiotics.

Abs Jour : Rof Zhur - Khimiya, No 5, 1959, No. 16507

Author : Stanciu, N.; Opari, A.; Isbasoscu, C.; Boral, H.

Inst : Not givon

Title : Proparation of Sorums for Injection

Orig Pub : Farmacia (Romin), 1957, 6, No 6, 539-549

Abstract : Description of the methods of proparation of indicated

solutions and suspensions and also the preparation of solutions from sorums available in ampuls (in the dry form): ascorbic acid, adronalin, nicotine acid, methylone blue, and amidopyrine. -- E. Natkhan

Card 1/1

